

CLAIMS

We claim:

- 5 1. A wireless communication system, comprising:
a core system adapted to establish a first set of redundant
communication paths between the core system and respective first and
second radio access network session clients associated with respective first
and second locations within the wireless communication system; and
10 a base transceiver station adapted to establish a second set of
redundant communication paths between the base transceiver station and the
respective first and second radio access network session clients.
- 15 2. The wireless communication system of claim 1, wherein the respective
first and second locations are associated with respective first and second
radio access networks.
- 20 3. The wireless communication system of claim 1, wherein the core
system includes fixed equipment.
4. The wireless communication system of claim 1, wherein the first and
second sets of redundant communication paths include control and bearer
paths.
- 25 5. The wireless communication system of claim 1, wherein the first and
second sets of redundant communication paths are adapted to simultaneously
convey communications associated with a mobile communication device.
- 30 6. The wireless communication system of claim 5, wherein the mobile
communication device is a cellular phone.

7. The wireless communication system of claim 1, wherein one of the core system and the base transceiver station is adapted to determine the integrity of a communication path from the first and second sets of redundant communication paths.

8. A wireless communication system, comprising:
a core system having a first bridging function adapted to establish a first set of redundant communication paths between the core system and a plurality of radio access network session clients; and
a base transceiver station having a second bridging function adapted to establish a second set of redundant communication paths between the plurality of radio access network session clients and the base transceiver station.

9. The wireless communication system of claim 8, wherein the first and second sets of redundant communication paths are associated with respective first and second locations within the wireless communication system.

10. The wireless communication system of claim 9, wherein the respective first and second locations within the wireless communication system are associated with respective first and second radio access networks.

11. The wireless communication system of claim 8, wherein the core system includes fixed equipment.

12. The wireless communication system of claim 8, wherein the first and second sets of redundant communication paths include control and bearer paths.

13. The wireless communication system of claim 8, wherein the first and second sets of redundant communication paths are adapted to simultaneously convey communications associated with a mobile communication device.

14. The wireless communication system of claim 8, wherein one of the core system and the base transceiver station is adapted to determine the integrity of a communication path from the first and second sets of redundant
5 communication paths.

15. A wireless communication system, comprising:
a core system; and
a base transceiver station, wherein the core system and the base
10 transceiver station are adapted to convey communications associated with a mobile communication device using a plurality of redundant communication paths and a plurality of redundant radio access network session clients.

16. The wireless communication system of claim 15, wherein each of the plurality of redundant radio access network session clients is associated with a different location within the wireless communication system.
15

17. The wireless communication system of claim 15, wherein each of the plurality of redundant radio access network session clients is associated with a different one of a plurality of communicatively coupled radio access
20 networks within the wireless communication system.

18. The wireless communication system of claim 15, wherein one of the core system and the base transceiver station is adapted to determine the
25 integrity of the plurality of redundant communication paths.

19. A wireless communication system, comprising:
A core system; and
a plurality of communicatively coupled radio access networks, wherein
30 each of the plurality of communicatively coupled radio access networks is adapted to establish redundant communication paths for a mobile device and wherein each of the radio access networks is adapted to establish a radio access network session client associated with the redundant communication paths.

20. The wireless communication system of claim 19, wherein each of the plurality of communicatively coupled radio access networks is adapted to determine the integrity of its respective redundant communication paths for the mobile device.

21. The wireless communication system of claim 20, wherein each of the radio access networks includes a base transceiver station adapted to provide a communications bridging function between the mobile device and the radio access network session clients.

22. A method of reallocating a radio access network session client within a wireless communication system having a core system and a base transceiver station, the method comprising:

- establishing a redundant radio access network session client within the wireless communication system;
- establishing a first set of redundant communication paths between the core system and the redundant radio access session client;
- establishing a second set of redundant communication paths between the redundant radio access session client and the base transceiver station;
- determining the integrity of the first and second sets of redundant communication paths; and
- transferring control from the radio access network session client to the redundant radio access network session client based on the integrity of the first and second sets of redundant communication paths.

23. The method of claim 22, wherein establishing the redundant radio access network session client within the wireless communication system, includes establishing the redundant radio access network session client in a first location within the wireless communication system that is different from a second location within the wireless communication system associated with radio access network session client.